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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/763,864	05/23/2001	Masahide Sato	204060US	3525	
22850 7	590 01/22/2003				
	OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			EXAMINER	
	1940 DUKE STREET ALEXANDRIA, VA 22314		SHERRER, CURTIS EDWARD		
			ART UNIT	PAPER NUMBER	
			1761		
				DATE MAILED: 01/22/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

Patient and Trademark Office PTO-326 (Rev. 04-01) Office Ad	ction Summary	Part of Paper No. 8										
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5	5) Notice of Informal I	/ (PTO-413) Paper No(s)										
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. Attachment(s)												
a) The translation of the foreign language pro												
2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).												
						a)⊠ All b)□ Some c)□ None of. 1.⊠ Certified copies of the priority documents have been received.						
						13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:						
						Priority under 35 U.S.C. §§ 119 and 120						
12) The oath or declaration is objected to by the Examiner.												
If approved, corrected drawings are required in reply to this Office action.												
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.												
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).												
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.												
9) The specification is objected to by the Examiner.												
Application Papers												
5) Claim(s) is/are allowed. 6) Claim(s) 1-8 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.												
						4a) Of the above claim(s) is/are withdrawn from consideration.						
						4) Claim(s) 1-8 is/are pending in the application.						
						Disposition of Claims						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.												
2a) This action is FINAL . 2b) This action is non-final.												
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 23 May 2001.												
							Period for Reply A CHARTENED STATUTORY REPLODED FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address												
	Curtis E. Sherrer	1761										
Office Action Summary	Examiner	Art Unit										
	09/763,864	SATO ET AL.										
	Application No.	plicant(s)										

Art Unit: 1761

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DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1 and 5-7 are indefinite because the scope of the phrase "non-flocculent yeast is unknown. The term "non-flocculent" is a relative term that renders the claim indefinite. The term "non-flocculent" is not defined by the claims, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claim 2 is indefinite because the scope of the phrase "seen by the naked eye" is unknown.

Claim Rejections - 35 USC § 102

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Ogbonna et al. (Process Biochem., Vol. 31, No. 8 pp. 737-44, 1996)(hereinafter Ogbonna).

Ogbonna teaches the immobilization of the non-flocculating yeast *Candida brassicae* on chitosan. Non-flocculating *Saccharomyces cerevisiae* is also tested but not immobilized. (See Abstract and page 738).

With regard to the limitations of claim 2, it is considered that the yeasts of Ogbonna inherently possess these characteristics as they are also non-flocculating yeast.

Claim 8 is rejected under 35 U.S.C. 102(b) as being anticipated by any beer.

Claim 8 is directed to a beer product made by the process of claim 1. The particulars of making the malt beverage are not claimed other than using a non-flocculating yeast. Without more limitations, any beer anticipates such a product.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 3, 4, and 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Umemoto et al (Jap. Pat. No. 411075883)(hereinafter Umemoto) in view of Ogbonna.

Ogbonna teaches that cited above, but does not teach the use of the specifically claimed yeasts or the use of the claimed reactor. Umemoto teaches the use of a fluidized bed bioreactor, as claimed, for the production of fermentation products such as liquors. (See Abstract). Umemoto does not teach the use of non-flocculating yeast. It would have been obvious to those of ordinary skill in the art to use the use the non-flocculating yeast of Ogbonna in the fermentation reactor of Umemoto in order allow for the use non-flocculating yeast. With regard to using different yeasts to produce different product, it would have been obvious to those of ordinary skill in the art to use different yeasts in order to produce either, beers or liquors.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Curtis E. Sherrer whose telephone number is 703-308-3847. The examiner can normally be reached on Tuesday-Friday, 8AM-6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Milton Cano can be reached on 703-308-3959. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-3602 for regular communications and 703-305-3602 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Curtis E. Sherrer

Primary Examiner

January 17, 2003